**DIGITAL DYNAMOS**

Project Plan

GROUP NAMES:

1. NARE LEGODI
2. TEMOSHO NKGOENG
3. KHOROMMBHI NDIVHUWO
4. LEFA MASHABELA
5. TAKALANI MUKHAVHULI

**Project objectives**

1. Install and configure reliable network infrastructure to support hospital operations including internet access, data management and secure communications.

2. Provide secure data storage and backup solutions for patient records and hospital management systems.

3. Provide wireless coverage throughout the hospital, enabling mobility for medical personnel and administrative staff.

4. Improve network security to protect confidential patient information and ensure compliance with healthcare regulations.

5. Train IT staff to effectively manage and maintain the new network infrastructure.

**Project scope**

1. Design Phase (Month 1-3)

* Network architecture planning
* Site survey and analysis
* Identifying key areas for wireless access points

1. Procurement Phase (Month 4-6)

* Purchasing routers, switches, firewalls, servers, storage solutions, cables, and other necessary hardware
* Acquiring software licenses for operating systems, network management, and security software

1. Installation and Configuration Phase (Month 7-9)

* Physical installation of network hardware
* Configuration of network devices and setting up secure connections
* Installation of servers and storage solutions in the server room

1. Testing and Quality Assurance Phase (Month 10-11)

* Testing network performance, security, and reliability
* Making necessary adjustments and optimizations
* Backup and recovery tests

1. Training and Handover Phase (Month 12)

* Training IT staff on network management and maintenance
* Documentation and handover of network architecture and configurations

Milestones

Project Kickoff: january 2024

Completion of Network Design: march 2024

Procurement of Materials: June 2024

Completion of Installation: September 2024

Network Testing Completion: November 2024

Training and Handover: December 2024

Team:

1. Project Manager: Takalani Makhavhuli

Role - Oversees the project, ensuring that milestones are met on time and on budget.

2. Network Engineer: Ndivhuwo Khorommbi

Role- Responsible for network design and configuration.

3. IT Technician: Lefa Mashabela

Role- Manages the physical installation of hardware and cabling.

4. Security Specialist: Temoso Nkgoeng

Role- Focuses on implementing and testing network security.

1. Training Coordinator: Name Legodi

Role- Develops and trains hospital IT staff.